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Coursera - AWS Elastic Beanstalk:Deploy a Python(Flask) Web Application

Generated on December 17, 2023

Summary

Notes	Screenshots	Bookmarks
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now we will deploy our flask application

0:21

AWS do not have dependencies to run an application like flask app we need flask library to be installed

0:21

so we will amke an additional text file

named : requirements.txt which conatin all dependencies to run an application

to create the .txt file run this command in terminal

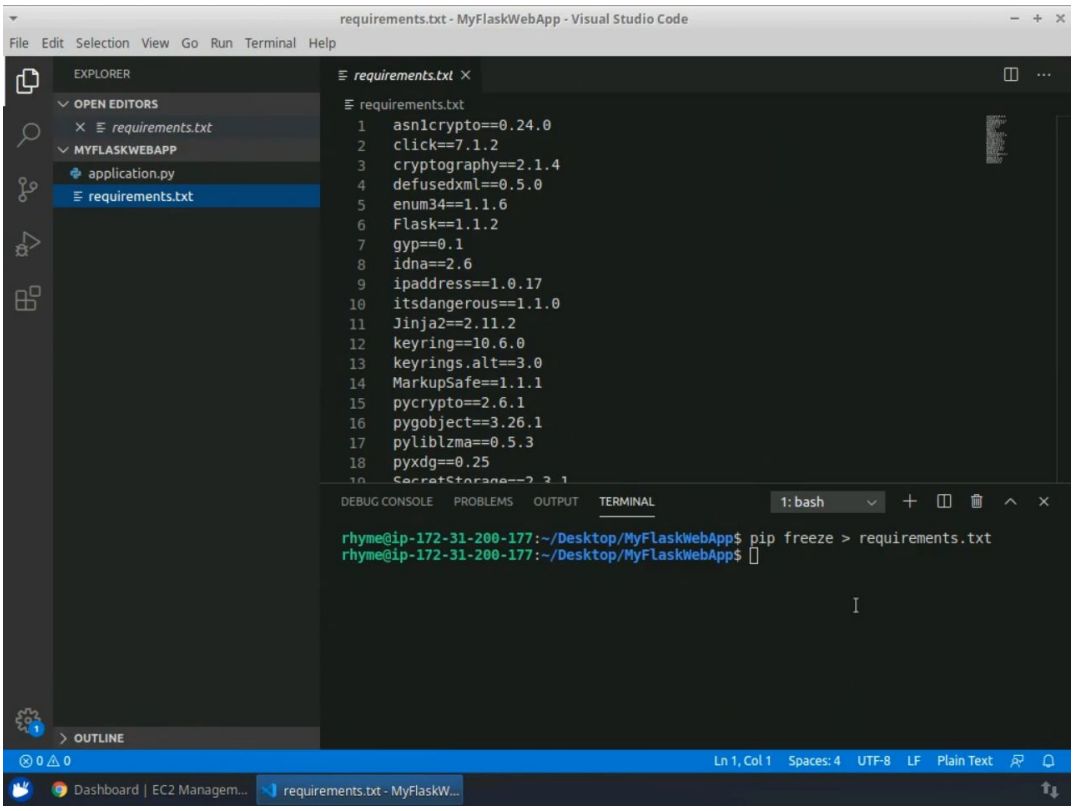
pip freeze > requirements.txt

0:21

the problem with pip freeze is that it install all

necessary and un-necessary libraries/modules require for an application

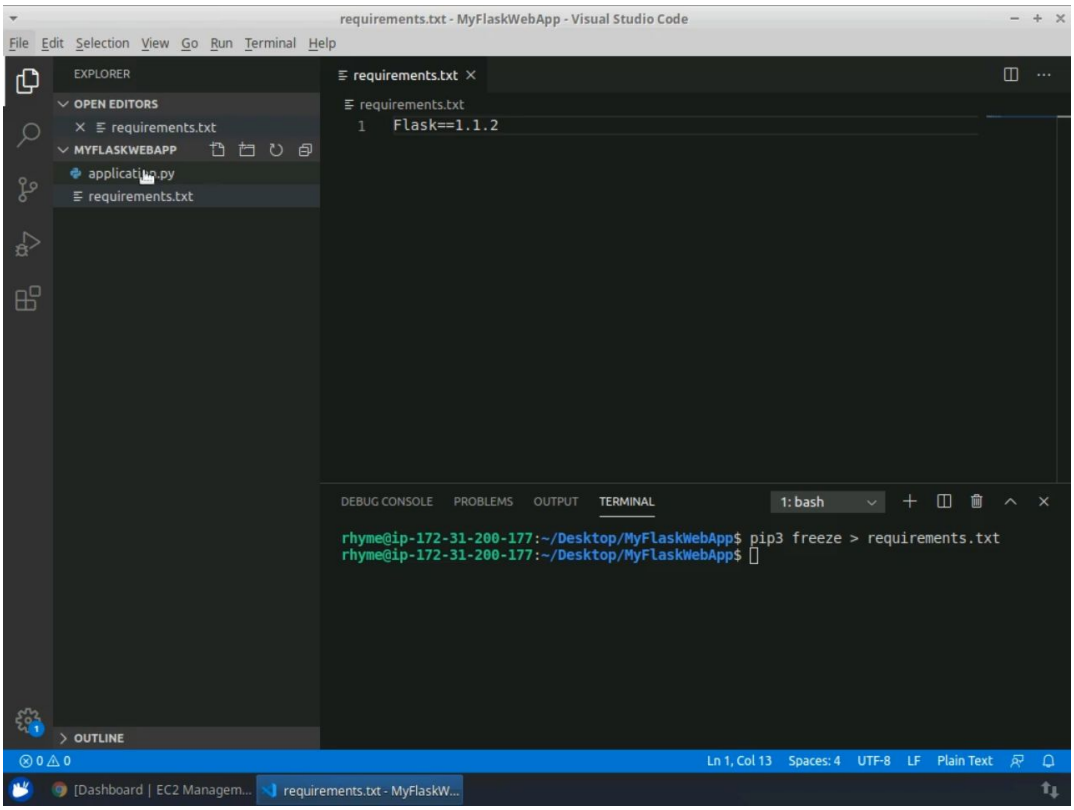
1:56



1:56

so we will reomve all unwanted libraries

1:56



4:04

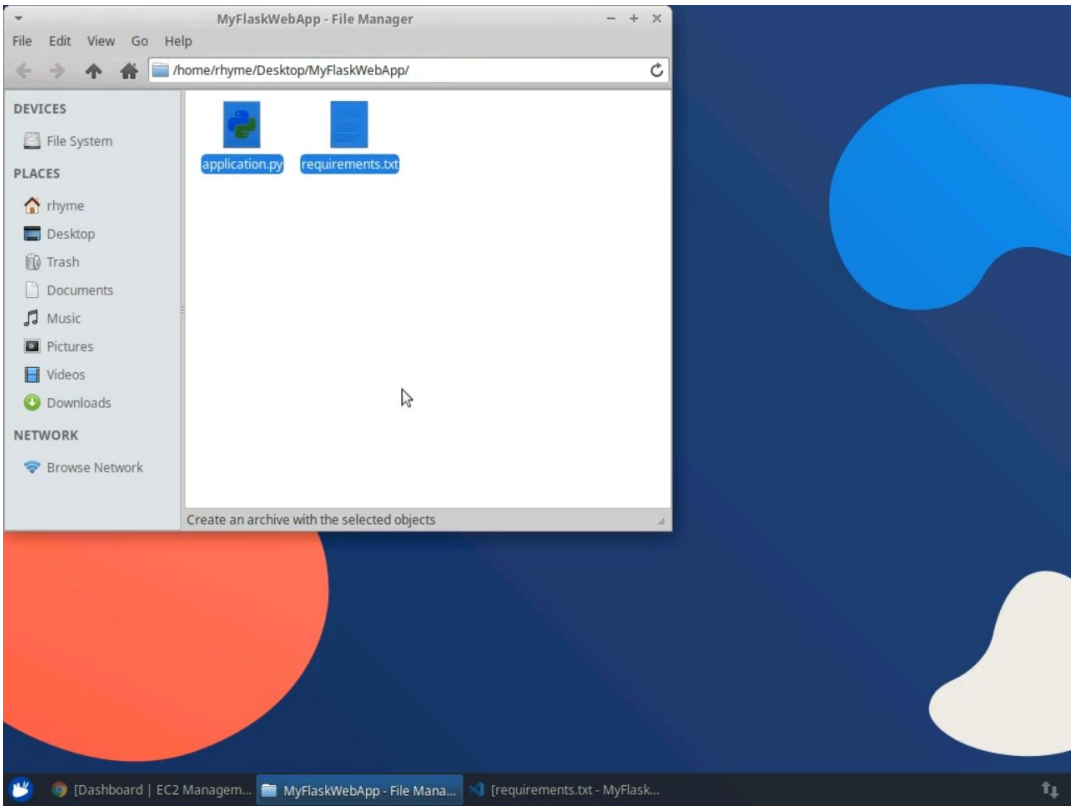
and then uplaod it to AWS

4:07

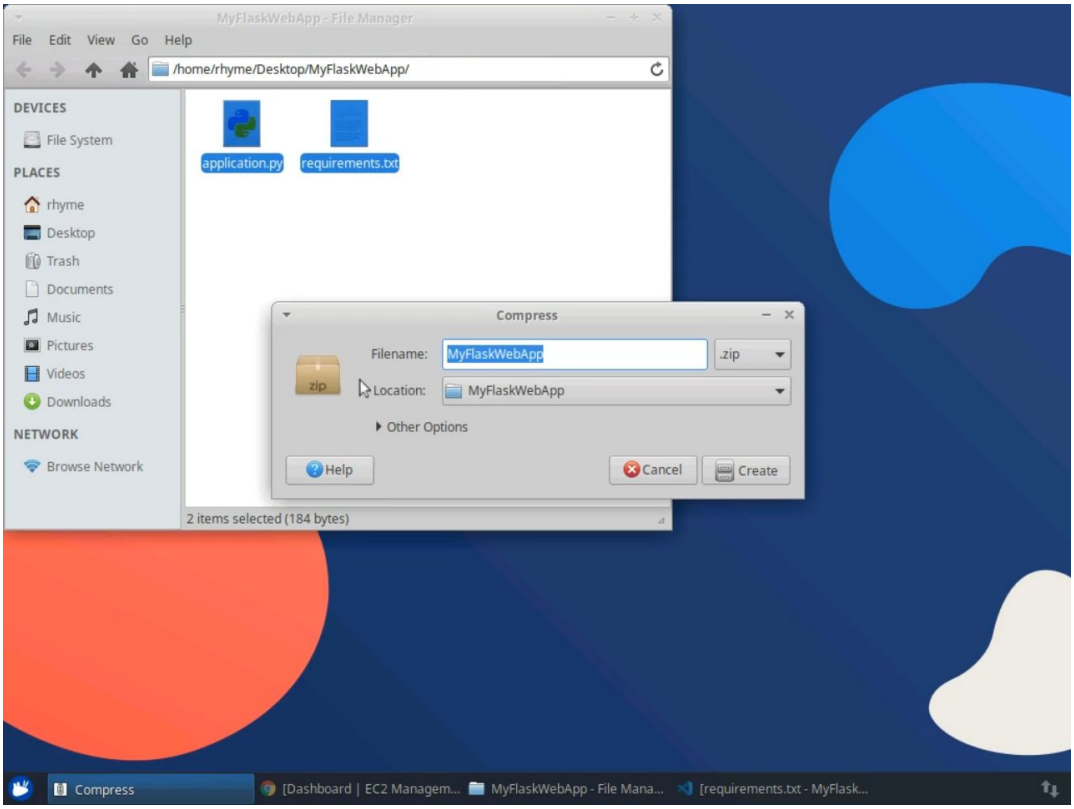
now we will zip these two files

application.py and requirements.txt

4:07


MyFlaskWebApp - File Manager
File Edit View Go Help
/home/rhyme/Desktop/MyFlaskWebApp/
DEVICES
File System
PLACES
rhyme
Desktop
Trash
Documents
Music
Pictures
Videos
Downloads
NETWORK
Browse Network
application.py
requirements.txt
Create an archive with the selected objects
[Dashboard | EC2 Managem...
MyFlaskWebApp - File Mana...
[requirements.txt - MyFlask...

4:24


MyFlaskWebApp - File Manager
File Edit View Go Help
/home/rhyme/Desktop/MyFlaskWebApp/
DEVICES
File System
PLACES
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Desktop
Trash
Documents
Music
Pictures
Videos
Downloads
NETWORK
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application.py
requirements.txt
Compress
Filename:
MyFlaskWebApp
.zip
Location:
MyFlaskWebApp
Other Options
Help
Cancel
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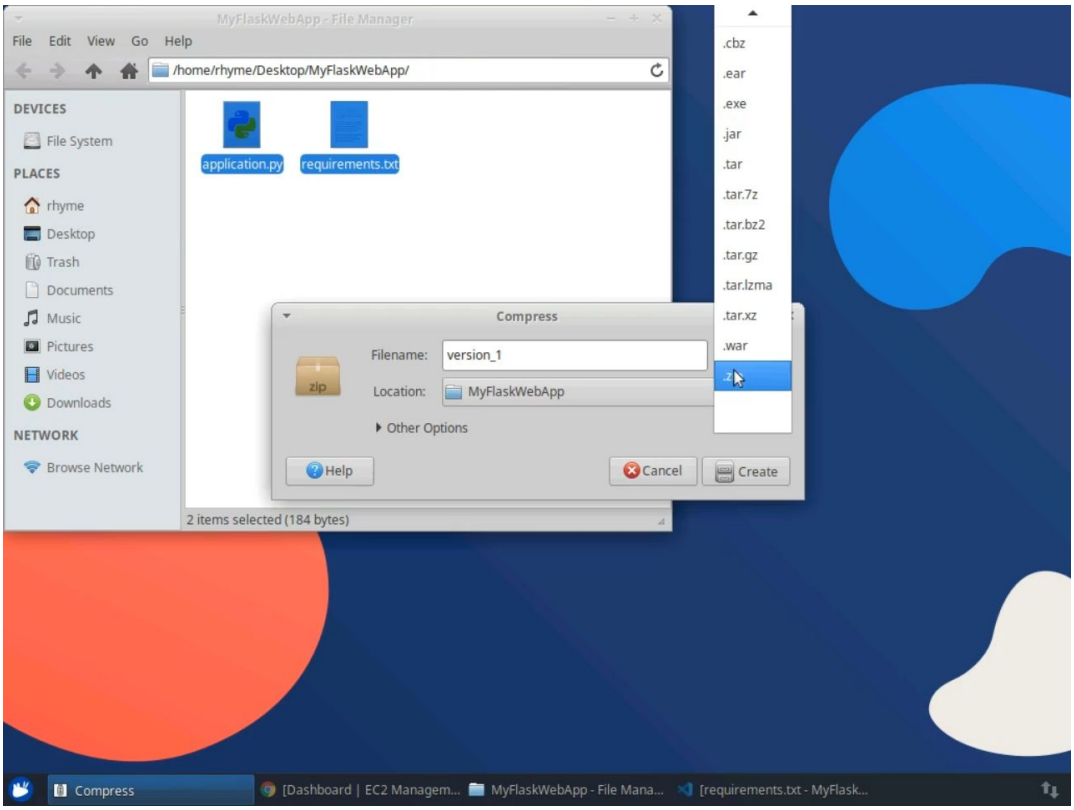
[requirements.txt - MyFlask...

4:27


MyFlaskWebApp - File Manager
File Edit View Go Help
/home/rhyme/Desktop/MyFlaskWebApp/
DEVICES
File System
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Desktop
Trash
Documents
Music
Pictures
Videos
Downloads
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Browse Network
application.py
requirements.txt
2 items selected (184 bytes)
Compress
Filename: version_1
Location: MyFlaskWebApp
Other Options
Help
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Create
.cbz
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.tar
.tar.7z
.tar.bz2
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.tar.lzma
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MyFlaskWebApp - File Mana...
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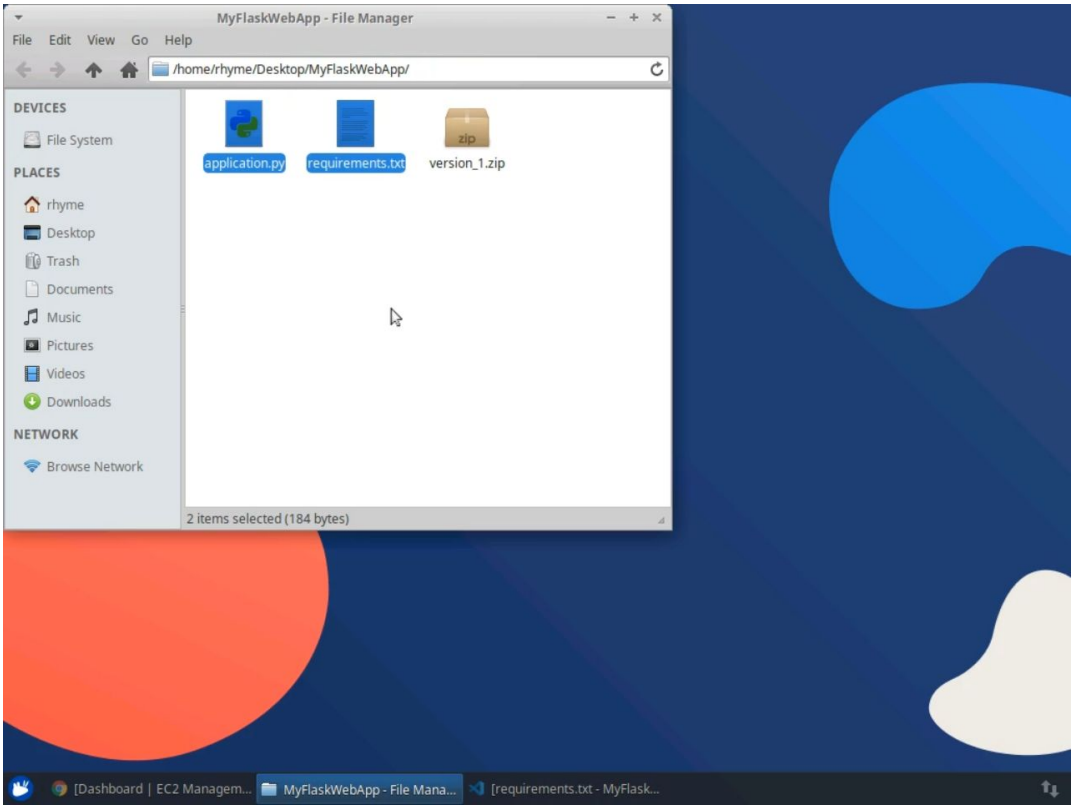
4:34


MyFlaskWebApp - File Manager
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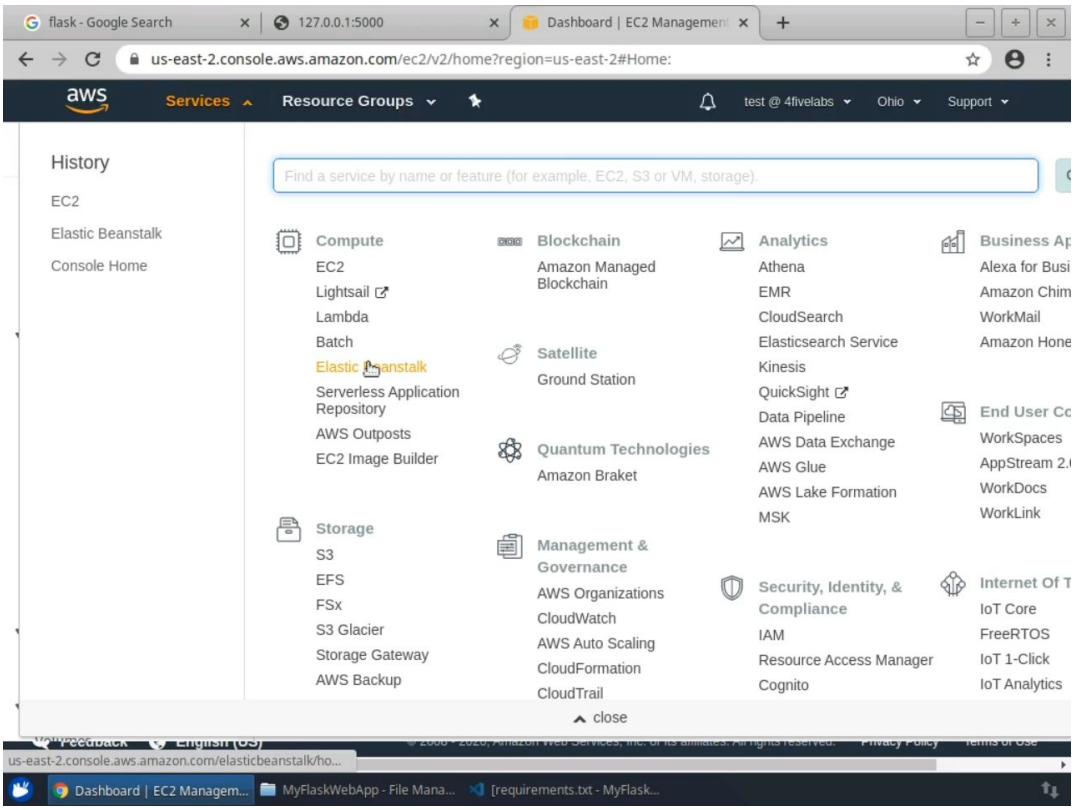
4:48


flask - Google Search
127.0.0.1:5000
Dashboard | EC2 Management
us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Home:
aws
Services
Resource Groups
test @ 4fivelabs
Ohio
Support
History
EC2
Elastic Beanstalk
Console Home
Find a service by name or feature (for example, EC2, S3 or VM, storage).
Compute
EC2
Lightsail
Lambda
Batch
Elastic Beanstalk
Serverless Application Repository
AWS Outposts
EC2 Image Builder
Blockchain
Amazon Managed Blockchain
Satellite
Ground Station
Quantum Technologies
Amazon Braket
Storage
S3
EFS
FSx
S3 Glacier
Storage Gateway
AWS Backup
Management & Governance
AWS Organizations
CloudWatch
AWS Auto Scaling
CloudFormation
CloudTrail
Analytics
Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
QuickSight
Data Pipeline
AWS Data Exchange
AWS Glue
AWS Lake Formation
MSK
Security, Identity, & Compliance
IAM
Resource Access Manager
Cognito
Business Ap
Alexa for Busi
Amazon Chim
WorkMail
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AppStream 2.
WorkDocs
WorkLink
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IoT Core
FreeRTOS
IoT 1-Click
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MyFlaskWebApp - File Mana...
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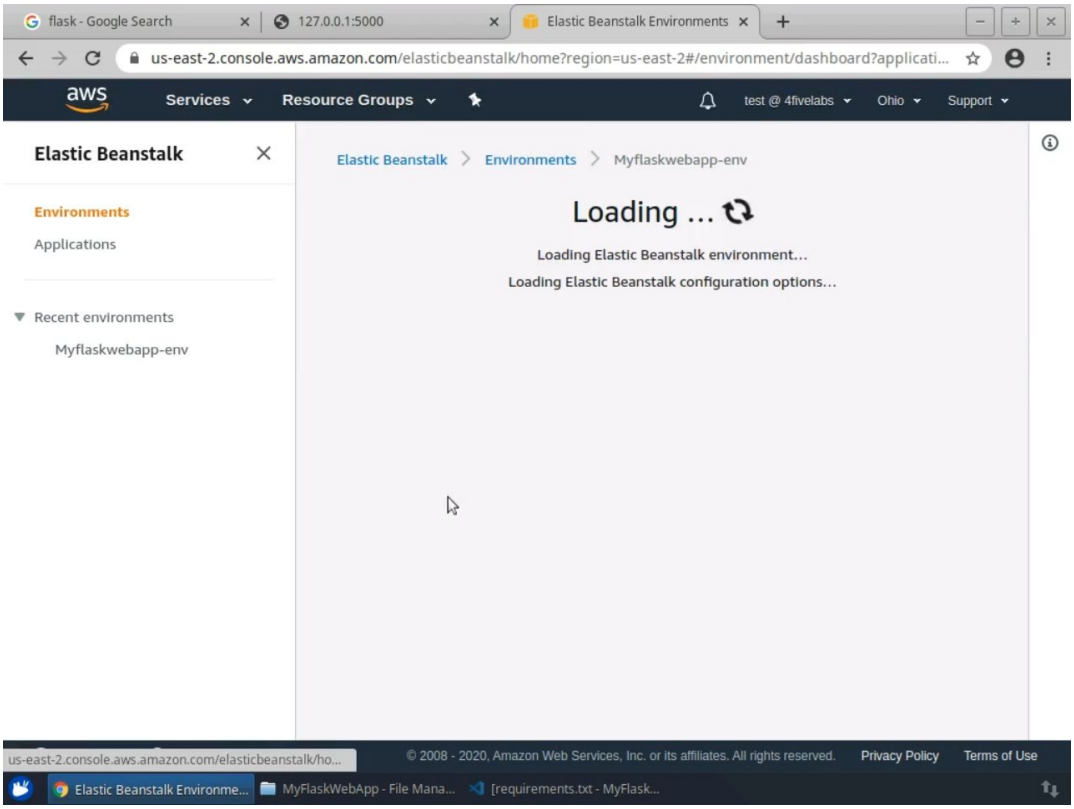
5:08


flask - Google Search
127.0.0.1:5000
Elastic Beanstalk Environments
us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environment/dashboard?applicati...
aws
Services
Resource Groups
test @ 4fivelabs
Ohio
Support
Elastic Beanstalk
Environments
Applications
Recent environments
Myflaskwebapp-env
Elastic Beanstalk > Environments > Myflaskwebapp-env
Loading ...
Loading Elastic Beanstalk environment...
Loading Elastic Beanstalk configuration options...
us-east-2.console.aws.amazon.com/elasticbeanstalk/ho...
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Elastic Beanstalk Environme...
MyFlaskWebApp - File Mana...
[requirements.txt - MyFlask...

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